

Remarks

The Patent Office has required Applicants to elect from each of three groups one allegedly patentably distinct species to which the claims must be restricted:

Applicants hereby elect, without traverse, the following. In Species A, Applicants elect an evolutionary algorithm as recited in claims 2 and 23. In Species B, Applicants elect proteins as the biological item being represented by the nodes as recited in claims 13 and 34. In Species C, Applicants elect medical data as the data representative of measured biological behavior or structures as recited in claims 19 and 40.

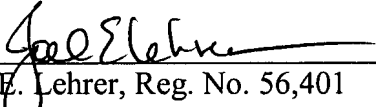
Upon allowance of a generic claim, Applicants are entitled to consideration of claims to additional species which depend from or otherwise require all the limitations of the allowed generic claim. Applicants understand that the claims will be restricted to the elected species if no generic claim is finally held to be allowable, and reserve the right to pursue claims readable on any of the non-elected species in one or more related applications if the species election requirements are maintained.

Applicants respectfully request that the application now proceed promptly to examination. The Examiner is invited to contact the undersigned with any questions about this paper. Early favorable action is respectfully solicited.

Respectfully submitted,

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